

INTERNATIONAL SEARCH REPORT

Application No
PCT/GB2004/003674

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K39/395 C07K14/705 A61K39/00 A61P35/00
 //C07K16/28, C07K16/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | <p>WILSON S H D ET AL: "Identification of MAL2, a Novel Member of the MAL Proteolipid Family, Though Interactions with TPD52-like Proteins in the Yeast Two-Hybrid System" GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 76, no. 1-3, August 2001 (2001-08), pages 81-88, XP004459581 ISSN: 0888-7543 the whole document</p> <p>-----</p> <p>WO 02/071928 A (MILLENNIUM PHARMACEUTICALS, INC; MONAHAN, JOHN, E; GANNAVARAPU, MANJUL) 19 September 2002 (2002-09-19) the whole document</p> <p>-----</p> <p style="text-align: center;">-/-</p> | 1-27 |
| X | | 1-27 |

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

| | |
|---|--|
| Date of the actual completion of the International search | Date of mailing of the International search report |
| 1 March 2005 | 16/03/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patenlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Hermann, P |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| X | WO 01/53343 A (HUMAN GENOME SCIENCES, INC; RUBEN, STEVEN, M; SHI, YANGGU) 26 July 2001 (2001-07-26) the whole document ----- | 1-27 |
| X | WO 03/000012 A (MILLENNIUM PHARMACEUTICALS, INC; VEIBY, OLE, PETTER) 3 January 2003 (2003-01-03) the whole document ----- | 1-27 |
| A | MARCO DE M C ET AL: "MAL2, A NOVEL RAFT PROTEIN OF THE MAL FAMILY, IS AN ESSENTIAL COMPONENT OF THE MACHINERY FOR TRANSCYTOSIS IN HEPATOMA HEPG2 CELLS" THE JOURNAL OF CELL BIOLOGY, ROCKEFELLER UNIVERSITY PRESS, US, vol. 159, no. 1, 14 October 2002 (2002-10-14), pages 37-44, XP001182850 ISSN: 0021-9525 the whole document ----- | 1-27 |
| A | US 2002/018766 A1 (ROBERTS BRUCE L ET AL) 14 February 2002 (2002-02-14) the whole document ----- | 1-27 |
| E | WO 2005/007830 A (MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH; VANAJA, DONKENA, K) 27 January 2005 (2005-01-27) the whole document ----- | 1-27 |

INTERNATIONAL SEARCH REPORTapplication No.
PCT/GB2004/003674**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 7–12, 15–18, 24, 25 and 27 are directed to a method of treatment of the human/animal body by therapy (Rule 39.1(iv) PCT), the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Application No
PCT/GB2004/003674

| Patent document cited in search report | Publication date | Patent family member(s) | | | Publication date |
|--|------------------|-------------------------|------------|------------------|------------------|
| WO 02071928 | A 19-09-2002 | WO 02071928 A2 | 19-09-2002 | US 2003087250 A1 | 08-05-2003 |
| WO 0153343 | A 26-07-2001 | AU 2951701 A | 31-07-2001 | CA 2395054 A1 | 26-07-2001 |
| | | EP 1248801 A1 | 16-10-2002 | JP 2003532383 T | 05-11-2003 |
| | | WO 0153343 A1 | 26-07-2001 | | |
| WO 03000012 | A 03-01-2003 | EP 1410013 A2 | 21-04-2004 | WO 03000012 A2 | 03-01-2003 |
| | | US 2003068636 A1 | 10-04-2003 | | |
| US 2002018766 | A1 14-02-2002 | AU 6289699 A | 26-04-2000 | CA 2345440 A1 | 13-04-2000 |
| | | EP 1117430 A1 | 25-07-2001 | JP 2002526421 T | 20-08-2002 |
| | | WO 0020029 A1 | 13-04-2000 | | |
| WO 2005007830 | A 27-01-2005 | WO 2005007830 A2 | 27-01-2005 | | |